Seat No.:	
No.	

Subject Code: 385501

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-VIII • EXAMINATION - WINTER • 2014

Subject Name: Costing Estimation & Management

Date: 26-11-2014

Total Marks: 70

Time: 02:30 pm - 05:00 pm Instructions:		Total Marks: 70			
11	ustruc		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. English version is considered to be Authentic.		
Q.1	(a)		Explain scope of estimation and costing in process equipment industry	fabrication	07
	(b)	Е	Explain qualities of an estimator.		07
Q.2	(a) (b)		Explain different constituents of estimation. Compare estimation and costing.		07 07
	(b)	F	OR Explain different advantages of efficient costing.		07
0.3	` ′				
Q.3	(a) (b)		Compare CPM & PERT. Explain EOQ with neat sketch. OR		07 07
Q.3	(a)		ist different material handling equipment used in fabrication i xplain any ONE with neat sketch.	ndustry and	07
	(b)	le	Estimate the machining time to turn a M.S. bar of 2.5 cm dia. ength of 5 cm in a single cut. Assume Cutting speed as 25 m/s ate as 0.1 mm per rev. Neglect time required for setting up to	min. and Feed	07
Q.4	(a)	ir	Estimate the time required for making an open tank of size 40 Gas welding. Size of sheet used is 50×40×0.3 cm. Welding is an open tank of size 40 welding size of sheet used is 50×40×0.3 cm. Welding size welding.	to be done on	07
	(b)	E	Explain different function of PPC department for process equipabrication industry.	pment	07
			OR		
Q. 4	(a)	d	Draw plant layout of process equipment fabrication industry a lepartments.	nd label different	07
	(b)	V	Vrite brief note on material requirement planning.		07
Q.5	(a)		Vrite definition of value analysis and explain different advanta nalysis.	iges of value	07
	(b)	E	Explain different factors to be considered in manufacturing pro OR	ocess selection.	07
Q.5	(a) (b)		Explain concept of product designing for manufacturing and a Write brief note on KAIZEN.	ssembly.	07 07
